

FIG. 1

2/2

| | NM0 (R/W) | NM1 (FT1 set) | FAN DISC SM2 $\omega 2$ | SM1 $\omega 1$ | DCM SM3 | FAN2 DISC (F2 set) | IDLE with disc | IDLE without disc | SM4 $\omega 4$ |
|----------------------|--------------|------------------|----------------------------------|-------------------|------------|--------------------------|----------------------|-------------------------|-------------------|
| ENTER | 200 | | 215 | 222 | 232 | 243 | | | 273 274 |
| T < T1 | 201 | 213 | | | | | | | |
| T >= T1 | 211 | | | | | | 261 | 272 | |
| T1 <= T <= T2 | | 212 | | 223 235 | 233 235 | | | | |
| END R/W | 202/ 203 | 214 | | | 234 | | | | |
| New R/W | | | | | | | 262 | | |
| New R/W before p1 | | | 216 | | | | | | |
| TIM1 = p1 | | | 217 | | | | | | |
| T >= T2 | 221 | 221 | 221 | | | | | | |
| T >= T2 TIM2 = p2 | | | | 231 | | | | | |
| T >= T2 TIM3 = p3 | | | 241 242 | 241 242 | 241 242 | | | | |
| New R/W before p4 | | | | | | 244 | | | |
| TIM4 = p4 | | | | | | 245 | | | |
| EJECT DISC | | | 271 | | | 271 | 271 | | |
| TIM5 = p5 | | | | | | | | | 275 |

200: start normal R/W
 201: continue NM0
 202: transition to idle mode
 203: transition to FAN DISC mode
 211: set FT1; transition to NM1
 212: continue NM1
 213: reset FT1; transition to NM0
 214: transition to FAN DISC mode
 215: start TIM1 (p1)
 216: transition to NM1
 217: transition to idle mode
 221: transition to SM1
 222: start TIM2 (p2)
 223: stop TIM2
 231: transition to DCM
 232: start TIM3 (p3)

233: continue DCM
 234: transition to FAN DISC mode
 235: stop TIM3
 241: set F2
 242: transition to FAN2 DISC mode
 243: start TIM4 (p4)
 244: ignore
 245: liberate drive
 261: transition to FAN DISC mode
 262: start normal R/W
 271: eject disc; transition to idle mode
 272: transition to FAN2 TURNTABLE mode
 273: start TIM5 (p5)
 274: drive disc motor at $\omega 4$
 275: stop motor; transition to idle mode

FIG.2